

Ensuring High Reliability and Stability

Status Monitor

The status monitor is a sub-LCD located on the side panel. It displays the present condition of the projector, including errors, setup information and error history.



Dual Lamp

Equipped with the highly reliable Dual Lamp System. If one lamp stops functioning during use, the second lamp activates and projects the image with no interruption in the projection. Also, 24-hour-a-day continuous operation is possible. With Alternative mode, which alternates the use of the two lamps, running cost is slashed.

Specifications

Model name	CP-HD9321 (White)	CP-HD9320 (Black)
Display system	1-chip DLP®	
Display device	Size of effective display area 0.65" DLP® chip x1, aspect ratio 16:9	
	Number of pixels 2,073,600 pixels (1,920 horizontal X 1,080 vertical)	
Lens (option)	Zoom Motorized	
	Focus Motorized	
	Lens shift Motorized (V.H)	
Light source	365W x2	
Screen size	50-600 inch	
Light output (Brightness)	8,200 lm	
Contrast ratio	2,500:1 (Theater mode)	
Displayable scanning frequency	Horizontal 15-106 kHz Vertical 50-120 Hz	
Terminals	COMPUTER IN Mini D-sub 15-pin connector x1 MONITOR OUT Mini D-sub 15-pin connector x1 SDI BNC connector x1 HDMI 1/2 HDMI connector x 2 DVI-D DVI-D connector x1 HDBaseT RJ-45 connector x1 VIDEO BNC connector x1 LAN RJ-45 connector x1 WIRELESS USB type A x1 REMOTE CONTROL IN 3.5mm stereo mini connector x1 REMOTE CONTROL OUT 3.5mm stereo mini connector x1 CONTROL(RS-232C) D-sub 9-pin connector x1	
Operating temperature	0-50°C at altitude of 0-1,600 *1, 0-40°C at altitude of 1,600-3,048m	
Power requirements	AC110-120V / 220-240V(50Hz/60Hz)	
Maximum power consumption	AC110-120V:1,060W / AC220-240V:990W	
Standard outside dimension (WxHxD)	537mm x 170mm x 438mm (21.1" x 6.7" x 17.2") (Excluding lens and protruding part)	
Weight	Approx. 16.6kg (36.6lbs) (Excluding lens)	
Accessories	Remote control with batteries, Power cord, Computer cable, Adapter cover Application CD, User's Manual (Book, CD)	
Optional parts	Lamp: DT01731 Lens unit: USL-901 (Ultra short throw lens) SL-902 (Short throw lens) SD-903W (Standard lens) ML-904 (Middle throw lens) LL-905 (Long throw lens) UL-906 (Ultra long throw lens)	Filter set: UX39551 Mounting accessories: HAS-9110 (Bracket for fixing mount) HAS-104S (Sln adapter for fixing mount) HAS-204L (Standard adapter for fixing mount) HAS-304H (Long adapter for fixing mount) USB wireless adapter: USB-WL-1IN * For more information, please consult your dealer.

¹ When the ambient temperature exceeds 45°C, the brightness of the lamp is reduced automatically.

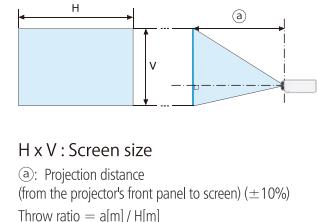
Design and specifications are subject to change without notice.

- The projected images and comparison photos in this catalog are simulations.
- Do not use in places where there is a lot of water, dampness, steam, dust, soot or tobacco smoke. This may result in fire or malfunction.
- Optical components (lamp, DLP® chip, etc.) and cooling fans have limited service lives. They must be repaired or replaced if they are used for a long period of time.
- These projectors use a mercury lamp with high internal pressure. Because of its properties, this lamp may burst with a loud noise or burn out if struck or after it has been used for a period of time. The time until it bursts or burns out varies greatly according to differences between lamps and usage conditions. Turning the lamp's power on and off frequently shortens its service life.
- Optical components other than the lamp: If the projector is used for six hours or more per day, they may need to be replaced in less than a year.
- Do not turn projector on again for ten minutes after shutdown. Neglect can shorten the lifetime of the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.
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- Crestron® and Crestron RoomView® are registered trademarks of Crestron Electronics, Inc. in the United States and other countries.
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Dimensions



Projection Distance



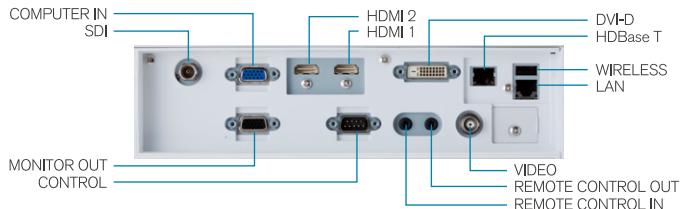
CP-HD9321/CP-HD9320

Projection distance (a)	Item	m												
		Screen size		USL-901		SL-902		SD-903W		ML-904		LL-905		UL-906
Type	H(m)	V(m)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
80	1.8	1.0	1.4	1.8	2.1	3.1	2.9	4.4	4.3	6.5	6.2	10.0	9.9	15.7
100	2.2	1.2	1.8	2.2	2.6	3.9	3.6	5.5	5.4	8.2	7.8	12.6	12.3	19.5
120	2.7	1.5	2.1	2.6	3.1	4.7	4.4	6.6	6.4	9.8	9.4	15.1	14.7	23.4
300	6.6	3.7	5.2	6.5	7.8	11.7	11.0	16.4	16.1	24.5	23.5	37.9	36.5	58.1
500	11.1	6.2	8.7	10.8	13.1	19.4	18.3	27.4	26.9	40.9	39.3	63.2	60.6	96.6

Projection distance (a)	Item	inch												
		Screen size		USL-901		SL-902		SD-903W		ML-904		LL-905		UL-906
Type	H(in)	V(in)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
80	64	48	55	69	82	122	115	172	169	257	245	395	390	618
100	80	60	69	86	103	153	143	215	211	322	307	495	485	769
120	96	72	83	103	123	184	172	258	253	386	369	595	580	921
300	240	180	205	255	309	459	432	646	634	966	927	1493	1436	2286
500	400	300	341	425	515	765	720	1077	1058	1610	1548	2490	2387	3803

Item	Throw ratio	0.8	1.0	1.1	1.7	1.6	2.4	2.4	3.6	3.5	5.6	5.5	8.8

Terminals



Environment

Compliance with EU Directive RoHS¹

Reduction of resin usage in production

Use of hot runners in molds for making upper housing in order to reduce mill ends.

Reduction of CO₂ emissions

Carton volume has been cut down to 95%², reducing CO₂ emissions during transport.

Power saving mode engaged during standby

Eco mode

Eco mode provides power saving.

¹ RoHS is the acronym of "Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment".

² Compared to Hitachi CP-X10000 projector on the basis of one carton box.



HITACHI

Hitachi America, Ltd., Digital Media Division

Hitachi Home Electronics Asia (S) Pte. Ltd.

Hitachi Sales (Malaysia) Sdn. Bhd.

Hitachi Sales (Thailand) Ltd.

Hitachi (Hong Kong), Ltd.

Hitachi Sales Corp. of Taiwan

Hitachi Australia Pty. Ltd.

Hitachi Europe Ltd., Digital Media Group Consumer Affairs Department Whitebrook Park, Lower Cookham Road, Maidenhead, Berkshire, SL6 8YA, UK Tel: +44-1628-585000 www.hitachidigitalmedia.com

Hitachi Maxell, Ltd. 5030 Totsuka-cho, Totsuka-ku Yokohama, 244-0003, Japan http://www.hitachi.co.jp/proj/

DLP® Projectors

HITACHI
Inspire the Next



Full HD
1080p

Achieving Full HD with realism and visual beauty
The high-resolution, bright-color 9000 series projector



CP-HD9321 Full HD 8,200lm
Lenses are all optional



CP-HD9320 Full HD 8,200lm
Lenses are all optional



Original Hitachi technology and high-resolution Full HD deliver outstanding visual beauty

Full HD

These projectors offer Full HD (1,920 x 1,080 pixels) with a brightness of 8,200lm.

Built-in Dual Color Wheel

By switching between the two color wheels with the remote control, you can achieve an image quality to match the projected image. Rich Color mode reproduces color levels equivalent to digital cinema. Bright mode prioritizes brightness and sharpens white colors.

ACCENTUALIZER and HDCR

ACCENTUALIZER makes pictures look more real by enhancing shade, sharpness, and gloss, to make pictures as clear as those on a flat-panel device. The HDCR function corrects blurred images caused by room lighting or outside light sources and creates an effect similar to increasing contrast resulting in clear images even in bright rooms.

Bright room — ACCENTUALIZER, HDCR OFF



Bright room — ACCENTUALIZER, HDCR ON



Advanced Installability and System Features for Various Uses

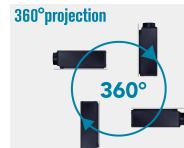
5 Digital Inputs

Equipped with an SDI input – the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable. Projectors provide 5 digital inputs : SDI,HDBaseT,HDMI(x2), DVI.



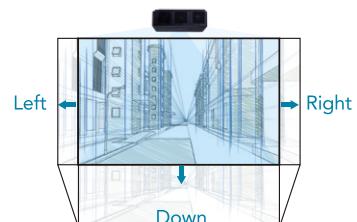
Various Installation

Projectors can be installed facing any 360 degree direction. In addition, by rotating the installation position of the projector 90 degrees (*1), you can project images that are vertically long. These features make it possible to provide various displays and image representations never before possible.



Superior Lens Shift

Superior lens shift lets you choose the most convenient installation location, even for large spaces.



Edge Blending

Lens	USL-901	SL-902	SD-903W	ML-904	LL-905	UL-906
Left /Right	0±10%	0±10%	0±10%	0±10%	0±10%	0±10%
Down	0-55%	0-65%	0-65%	0-65%	0-65%	0-65%

*1 Limited to the position where the terminals are on top. Make sure to fix the projector before using.

Geometric Correction (Warping)